

Serial No.: 10/773,242
Docket No.: 956-1001
Amendment dated: August 8, 2007
Reply to the Office Action of May 9, 2007

Amendments to the Claims

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A personal thermotherapy instrument for pressurizing and fomenting the spine of a user, comprising:

a collapsible folding type frame fastened and fixed as one body to a lower part of the thermotherapy instrument,

wherein the thermotherapy instrument includes an upper therapy mat on which a spinal corrector moves forward and backward, a therapy director to move the spinal corrector with respect to the upper therapy mat and having a roller or pressure bead type shape member installed thereon, and a lower therapy mat on which a foot thermo-pressure plate is installed provided.

2. (Currently Amended) The instrument as claimed in claim 1, wherein ~~the thermotherapy instrument is provided with a separation unit to externally expose~~ the spinal corrector and the foot thermo-pressure plate are provided each being disposed on a separate first assembly of the folding type frame where each first assembly is attached to the folding type frame, wherein the thermotherapy instrument also includes a separation unit adapted to be separated from the folding type frame, the separation unit having an upper portion and a lower portion wherein a middle assembly is connected with a second assembly on each separation unit portion, and wherein at least a portion of the separation unit is adapted to externally expose the spinal corrector.

3. (Currently Amended) The instrument as claimed in claim 2, wherein ~~the separation unit equipped with the upper therapy mat and the lower therapy mat comprises:~~

the first assemblies of the folding type frame each having have a base plates plate, and each first assembly is provided as one configuration body where by-installing the spinal

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corrector and the foot pressure plate are provided separately respectively on an upper part of ~~each of the~~ a separate respective base plates plate;

at least one of the middle assemblies of the instrument separation unit each is provided with an electric motor parts adapted to ~~cover~~ operate with the spinal corrector ~~and the foot pressure plate, the electric motor parts being individually formed on front and back faces thereof and being each provided with side plates each formed in the left and right sides of the electric motor parts; and~~

the second assemblies of the instrument separation unit are combined as one body with an upper part at least a portion of the middle assemblies, and provided as another configuration body, a surface of urethane having a space forming an interior portion thereof so that the spinal corrector and the foot pressure plate can operate in the space, a leather covering the surface of urethane, the second assemblies being separated from the middle assemblies to expose the spinal corrector and the foot pressure plate of the first assemblies externally.

4. (Original) The instrument as claimed in claim 1, wherein the folding type frame comprises:

a middle frame vertically positioned in a middle of the folding type frame, the middle frame supporting a folding part in an unfolded state of the instrument and serving as a medium leg role; and

an upper frame and a lower frame, which are divided into first and second parts, centering on the middle frame, hinge-combined with the folding part and folded downward centering on the middle frame to be stood vertically when folding the instrument.

5. (Original) The instrument as claimed in claim 4, wherein the upper frame and the lower frame are each provided with a noise absorption pad equipped on a sidewall of each of fold legs, each formed on lower parts of the upper frame and the lower frame.

6. (Original) The instrument as claimed in claim 4, wherein one of the upper frame and the lower frame is provided with a stop pin formed projecting therefrom, and the other

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one of the upper frame and the lower frame is provided with a stop hook that is rotated centering on a hinge and is hooked onto the stop pin to prevent the thermotherapy instrument from being unfolded suddenly.

7. (Original) The instrument as claimed in claim 4, wherein the folding part is provided with a hand danger preventing plate formed on an outer side thereof and has a determined height.

8. (Previously Presented) The instrument as claimed in claim 4, wherein the middle frame and the fold legs are provided with a connection link therebetween, to prevent the fold legs from being bent outward when using the thermotherapy instrument.

9. (Original) The instrument as claimed in claim 7, wherein the hand danger preventing plate and the folding part are provided with an insertion flute formed in a side thereof, and the insertion flute has an insertion of a folding preventing part.

10. (Currently Amended) A thermotherapy instrument for pressurizing and fomenting the spine of a user, comprising:

a folding part and first and second frames rotatably connected to the folding part and moving between a folding folded state and an unfolded state with respect to the folding part;

a first therapy component having a mat disposed on the first frame and a therapy director being movable along the mat; and

a second therapy component disposed on the second frame, the second therapy component including a thermo-pressure plate.

11. (Original) The instrument as claimed in claim 10, wherein the first and second therapy component are a spinal corrector and a foot pressure plate, respectively.

12. (Original) The instrument as claimed in claim 10, wherein the first and second frames comprise first and second legs rotatably mounted on the first and second frames, respectively, and moving between first and second positions when the first and second frames move between the folding state and the unfolded state.

13. (Currently Amended) A thermotherapy apparatus for pressurizing and fomenting the spine of a user, comprising:
a collapsing folding frame;
a mat disposed on the frame; and
a therapy unit having a therapy director being movable back and forth with respect to the mat.

14. (Previously Presented) The thermotherapy apparatus of claim 13, wherein:
the collapsing folding frame comprises:
a folding part to fold the collapsing folding frame,
a middle frame vertically positioned at a middle portion of the collapsing folding frame to support the folding part and serving as a medium leg in an unfolded state of the collapsing folding frame to provide support thereto, and
first and second frames disposed on each side of the folding part and being coupled with the folding part to fold downward about the middle frame to a vertical position when the collapsing folding frame is folded;
wherein the mat comprises a first mat provided on the first frame; and
wherein the therapy unit comprises a thermotherapy therapy component provided on the first mat.

15. (Previously Presented) The personal thermotherapy apparatus of claim 14,
further comprising:
a second mat provided on the second frame; and

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a second thermotherapy therapy component provided on the second mat.

16. (Previously Presented) The personal thermotherapy apparatus of claim 15, wherein the second thermotherapy therapy component comprises a foot pressure plate.

17. (Previously Presented) The personal thermotherapy apparatus of claim 14, wherein the thermotherapy therapy component comprises a spinal corrector.

18. (Previously Presented) The personal thermotherapy apparatus of claim 14, wherein the folding part comprises a hand danger preventer plate disposed on an outside part of the folding part to prevent hand damage during folding or unfolding of the collapsible folding frame.

19. (Previously Presented) The personal thermotherapy apparatus of claim 14, further comprising:

legs provided at each outer corner of the first frame and second frame to support the personal thermotherapy apparatus, wherein the first frame and second frame are each provided with a noise absorption pad equipped on a sidewall of each of the legs.

20. (Previously Presented) The personal thermotherapy apparatus of claim 13, wherein the mat comprises a space disposed therein in which the therapy unit operates.

21. (Currently Amended) A thermotherapy apparatus for pressurizing and fomenting the spine of a user, comprising:

a collapsing folding frame;

a mat disposed on the frame; and

a therapy director movable in a longitudinal direction with respect to the mat.

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22. (Previously Presented) The apparatus of claim 21, wherein the therapy director is longitudinally movable back and forth with respect to the mat.

23. (Previously Presented) The apparatus of claim 22, wherein the therapy director is connected to an electric motor.

24. (Previously Presented) The apparatus of claim 23, wherein the therapy director comprises a roller or a pressure bead.

25. (Previously Presented) The apparatus of claim 24, wherein the therapy director forms a part of a spinal corrector.

26. (Previously Presented) The apparatus of claim 25, further comprising:
a foot plate to provide thermo-pressure to a sole of a foot in contact with the foot plate.